

Abstract of the Disclosure

In a structure of a radio frequency (RF) variable capacitor having a variable range of capacitance between a first minimum value and a first maximum value, and a method of manufacturing the structure, the structure includes a first capacitor, which has a variable range of capacitance between a second minimum value greater than the first minimum value and a second maximum value greater than the first maximum value, and a second capacitor, which is connected in series to the first capacitor and has a capacitance of a fixed value. By the structure and method, a quality factor of a radio frequency (RF) variable capacitor may be increased without adding complex processing steps.